Mach Speed Technologies presents the next generation in personal music devices, the TRIO 819.
We hope this unit will bring you many hours of enjoyment!

Functions:

- Movie Function
- JPEG Picture Viewing
- High Fidelity Sound
- Elegant Design
- Supports various audio frequency formats

  MP1, MP2, MP3, WMA, WMV, and ASF
- FM high fidelity radio

  Auto search for a broadcasting station or manually tune to the broadcasting station of your choice.
  Save up to 40 different stations!
- Record From Radio

  Record the station that you are listening to!
- Voice Recording

  Record in WAV and ACT formats at 32Kbps for high quality or 8Kbps for long recordings!
- 7 Equalizer Settings

Natural, rock, pop, classic, soft, jazz, heavy bass

- A variety of repeat modes

  Normal, single song repeat, Play Folder, Repeat Folder, Repeat all, Random, and Intro modes

- Sleep Mode

  Set a sleep timer to conserve batteries.

- Animated Menu!

  Choose Between an animated Menu, or a more traditional one

Notice:

Thank you For Buying the TRIO 819! Please read this manual thoroughly before use.
The contents of this manual may not match exactly with your unit.

● Getting to Know Your Player

Charging the Player

Charging the Player with the included Charger

Connect the unit to the charger using the included USB cable. Plug the charger in to a power outlet. The green and red lights will both be on while the unit is charging. Once the unit is fully charged, the green light will go out.

Charging the unit with your computer

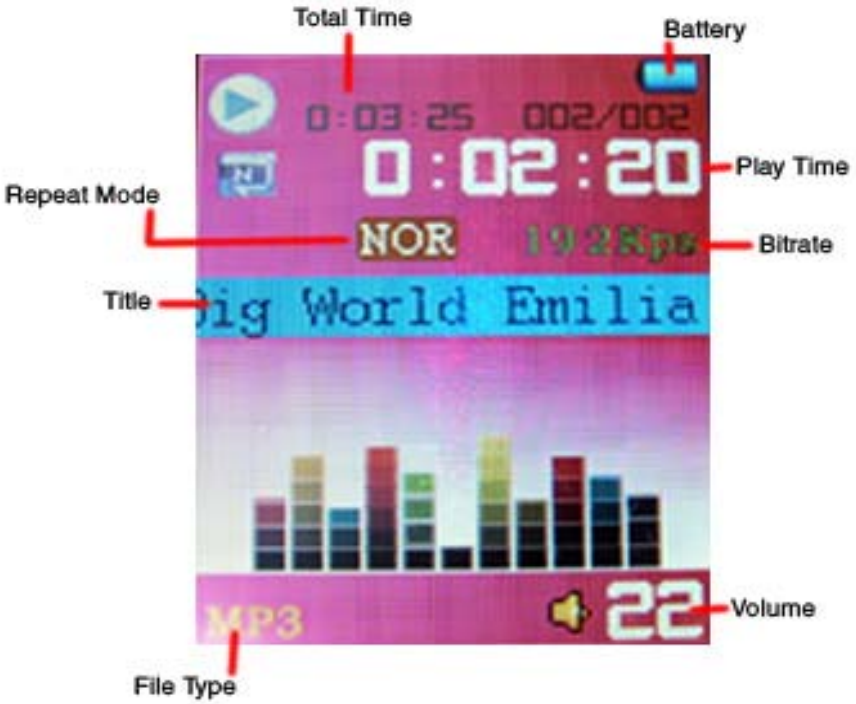
Connect the unit to your computer using the included USB cable. While the unit is connected to your computer, it will be charging. The unit stops charging once the battery is full.

MAIN MENU

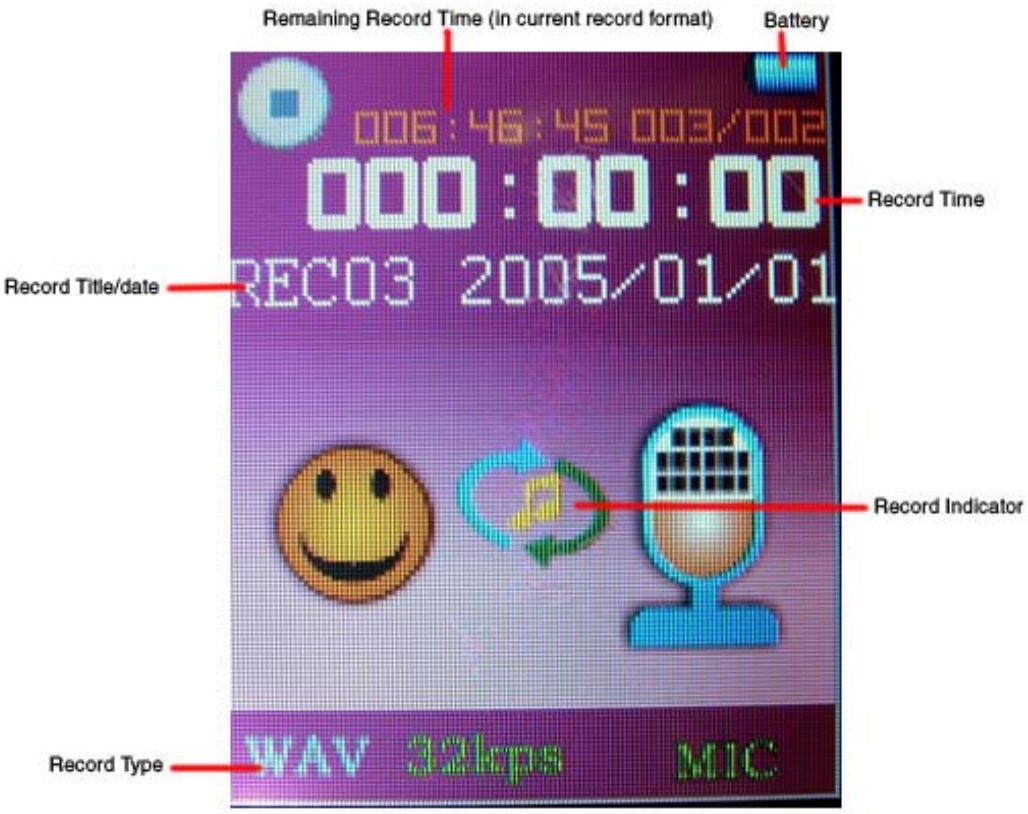
Music mode Movie mode Record mode Voice mode FM Radio

Picture Browser Setup Electronics text file Game

Music Mode:



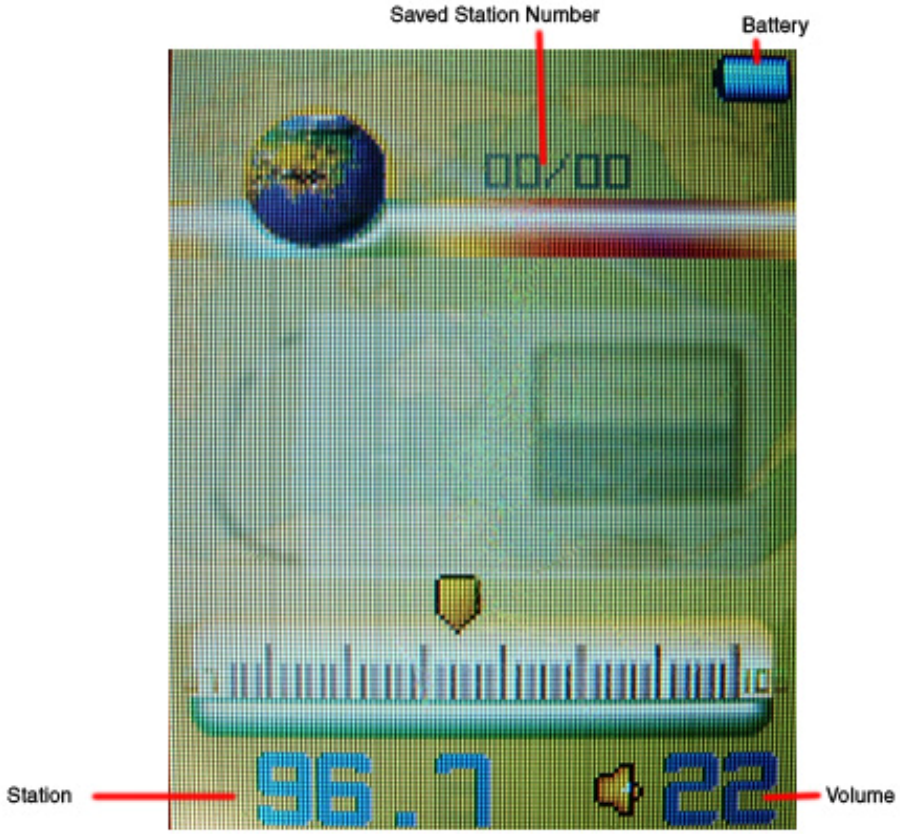
Record Sound Mode:



Voice/Playback Mode:

Battery
000:00:36 002/002
000:00:39
Playtime
Recording Title
REC02 2005/01/01
File Format
WAV 32kps
24
Volume

FM Mode:


Saved Station Number
Battery
00/00
Station
96.7
22
Volume

Changing Volume

Briefly Press the Volume Button and then the PREVIOUS or NEXT Buttons to adjust volume.

Once volume has been selected, the volume window will go away after several seconds of inactivity.

Power On/Power Down

Press and hold down the PLAY button when the unit it powered on to power the unit off.

Press and hold down the PLAY button when the unit is powered off to power the unit on.

Return to Main Menu (at any time)

Press and hold down the MODE Button.

Key Operations

1. "PLAY" key: Power on/off / play / pause.
2. "MODE": Select or enter mode or menu
3. "ON/OFF key" power switch. (located on the rear of the unit)
4. "VOLUME key" Opens Volume Screen.
5. "NEXT key": Press Briefly to skip a track/ raise volume, press and hold to fast forward
6. "PREVIOUS key" Press Briefly to skip backwards a track/lower volume

MUSIC

Operation

1. Insert the headphones into the headphone Jack.
2. Press MODE to enter Music Mode
3. Press Play to begin playing music

MUSIC MODE KEY FUNCTIONS

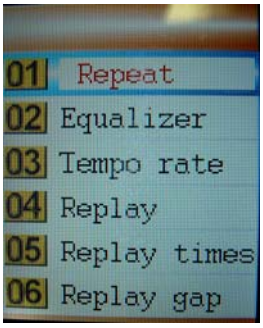
PLAY: Play/Pause music

NEXT: Skip to next track, fast forward, raise volume

PREVIOUS: Skip to previous track, rewind, lower volume

MENU: return to main menu, enter play music menu, enter paused music menu

1. Play Music Menu



REPEAT

Allows you to set several repeat options, including
Normal, Repeat One, Folder, Repeat Folder, Repeat All, Random and Intro

EQUALIZER

Allows you to set several Equalizers including
Natural, rock, pop, classic, soft, jazz, heavy bass

TEMPO

Allows you to set the song Tempo from -8 to 8.
The larger the number, the faster your song will play. Default setting is 0.

REPLAY

Allows you to set an A/B repeat Loop

When you select this mode, you will be returned to the song, with a letter “A” flashing above the song title. Briefly press the NEXT button to set the “A” point. The flashing letter will then change to

"B". Press the NEXT button to set the "B" point. The song will now play from point "A" to point "B". Press the MODE button to return to normal replay mode

REPLAY TIMES

Allows you to set the number of times the song will replay from "A" to "B" before returning to normal play mode.

REPLAY GAP

Allows you to set the gap between when the song gets to point "B" before returning to point "A"

2. Paused Music Menu

LOCAL FOLDER

Allows you to choose between folders on the unit

FILE SELECT

Allows you to choose between files on the folder

DELETE
Allows you to delete files in the current folder

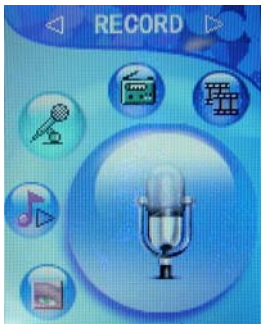
REPEAT
Allows you to set several repeat options, including
Normal, Repeat One, Folder, Repeat Folder, Repeat All, Random and Intro

MOVIE

Play video files in .AMV format

KEY FUNCTIONS ARE IDENTICAL TO THOSE ON THE MUSIC MODE, ABOVE.

RECORD



- Allows you to record sound with various qualities and bitrates
- You can have up to 99 recorded files
- Please ensure that the battery is fully charged if you plan on recording

Key Functions

PLAY: Begin recording/pause recording. Press and hold to save the recording
NEXT: No function
PREVIOUS: No function
VOLUME: No function
MODE: Enter Paused Recording Menu. Press and hold to save recording and return to the Main Menu

Paused Recording Menu

LOCAL FOLDER
Allows you to designate a folder to save recordings to

REC TYPE
Allows you to choose several recording types

- Fine REC - .WAV 32kbps- recommended for quality sound recording
- Long REC - .ACT 8kbps- recommended for long sound recording
- Fine VOR - .WAV 32kbps- recommended for quality voice recording
- Long VOR- .ACT 8kbps- recommended for long voice recording

1. VOICE

Allows you to play .ACT and .WAV files

Key Functions

PLAY: Play recording/pause recording
NEXT: Skip to the next recording. Press and hold to fast forward

PREVIOUS: Skip to the previous recording. Press and hold to rewind

VOLUME: Open the Volume

MODE: Enter Paused Voice Menu, or enter Playing Voice Menu

PAUSED VOICE MENU

LOCAL FOLDER

Allows you to select a folder

FILE SELECT

Allows you to choose between files on the folder

DELETE

Allows you to delete files in the current folder

PAUSED VOICE MENU

TEMPO

Allows you to set the song Tempo from -8 to 8. The larger the number, the faster your song will play. Default setting is 0

REPLAY

Allows you to set an A/B repeat Loop

When you select this mode, you will be returned to the song, with a letter “A” flashing above the song title. Briefly press the NEXT button to set the “A” point. The flashing letter will then change to “B”. Press the NEXT button to set the “B” point. The song will now play from point “A” to point “B”. Press the MODE button to return to normal replay mode.

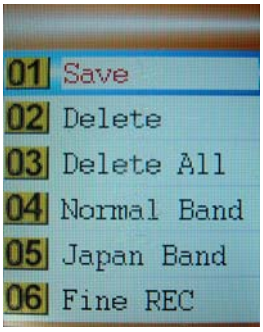
RADIO

Allows you to tune in to local radio stations

Key Functions

PLAY: toggle through saved stations
NEXT: tune 1 channel forward. Press and hold to scan forward
PREVIOUS: Tune 1 channel backwards. Press and hold to scan backwards
VOLUME: Open the Volume
MODE: Enter Radio Menu

RADIO MENU



SAVE

Saves current station to saved stations list

DELETE

Removes the Current station from the saved stations list

DELETE ALL

Removes all stations from the saved stations list

NORMAL BAND

Allows you to listen to stations 87 to 108

JAPAN BAND

Allows you to listen to stations 76 to 90

FINE REC

Records station you are listening to in WAV 32kbps- recommended for quality recordings

LONG REC

Records the station you are listening to in .ACT 8kbps- recommended for long recordings

AUTO SEARCH

Scans through all channels, and saves all receptive channels in the saved channel list

SEARCH LEVEL

Sets the amount of reception required to be saved by the auto search feature

PHOTO

View your JPEG files

When you select Photo, a list of JPEG files stored on the unit appears.
Choose the item you wish to view and briefly press PLAY.

Key Functions

PLAY: Select Picture
NEXT: Move to the next item on the selection
PREVIOUS: Move to the previous item on the selection
VOLUME: No function
MODE: Enter Picture Menu

PICTURE MENU

LOCAL FOLDER

Allows you to select a folder

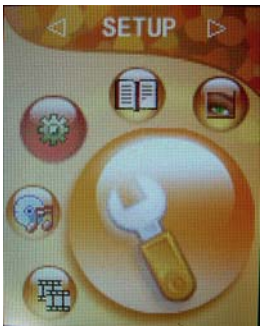
PLAY SET

Play all pictures in the current folder as a slideshow

DELETE

Allows you to delete files

SETUP



SETUP MENU

DISPLAY STYLE
Allows you to choose from one of two Main Menu styles

CLOCK
Allows you to set the system clock. PREVIOUS and NEXT buttons allow you to choose the next value in the selected item, PLAY selects the next item, and MODE saves all current values and returns to the Setup Menu

LCD SET
Allows you to set the darkness level on the LCD screen

LANGUAGE
Allows you to select your language.

POWER OFF
Off time- Allows you to set the time (in seconds) it takes for the unit to power off after inactivity.
Sleep time- Allows you to set the time (in seconds) that tit takes for the screen to power down to conserve battery life when music is playing, and there is button inactivity.

REPLAY MODE

Manual replay- Sets each mode's replay values manually, in each mode

Auto Replay- When you set a replay mode for a mode, the same replay mode is applied to all play modes

ONLINE MODE

Multi Drive- Used to access a partitioned section of the drive

Normal only- Accesses the unit as normal

Encrypted only- Accesses an encrypted partition on the unit

MEMORY INFO

Shows how much memory is used on the unit

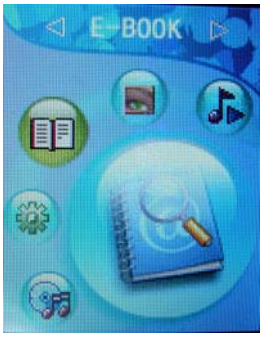
FRIMWARE VERSION

Information on the firmware version

FIRMWARE UPDATE

Used to Update the firmware on the unit

E-BOOK



View your.TXT files

Key Functions

PLAY: Return to list of .TXT files

NEXT: Move to the page

PREVIOUS: Move to the previous page

VOLUME: No function

MODE: Press and hold to return to main menu

Games

1. **BoxMan**
   - Start — Begin Playing
   - Map — Select map to play (there are 41 maps)
   - Return — Returns to main game selection
2. **Bricks**
   - Start — Begin Playing
   - Speed — Sets game speed (0 is slowest 12 fastest)
   - Open Grid — Creates a grid on screen
   - Close Grid — Removes Grid from screen
   - Return — Return to main game selection
3. **Color Bead**
   - Start — Begin playing
   - Highest Score — Shows the highest attained score so far
   - Return — Return to main game selection

4. **Winmine**

Start	Begin Playing
Line number	Number of lines in the game
Row number	Number of rows in the game
Mine Number	Number of mines in the game

GAME EXPLANATIONS

1. BoxMan:

Control the BoxMan (flashing green block) using the MENU, PREV, NEXT, and VOL keys, Push the boxes (blue and white blocks) into the fires (red and white diamonds). Once all boxes are pushed into the fires, advance to next level

2. Bricks

Move the colored blocks to fill the screen from left to right to score points and eliminate that line. Do not let the screen fill from top to bottom or you will lose

3. Color Bead

Line the colored beads up to make a set of 3 or more in a horizontal or vertical row to eliminate those beads and score points. You can move only beads which will create a row of three or more

4. Winmine

Isolate the mines by clearing the safe squares around them. Each square with a number tells you how many mines are in the 8 square box around your sweeper

Key Functions

1. BoxMan:

Move left: PREV

Move Right: NEXT

Move up: MENU

Move Down: VOL

Restart Map: PLAY
Quit: Press and hold MENU

2. Bricks

Move down: VOL
Move Right: NEXT
Move Left: PREV
Spin Piece: MENU and PLAY
Quit: Press and Hold MENU

4. Color Bead

Move up: Menu
Move down: VOL
Move Right: NEXT
Move Left: PREV
Choose Bead: PLAY
Withdraw: MENU

5. Winmine

Move up: Menu
Move down: VOL
Move Right: NEXT
Move Left: PREV
Choose Bead: PLAY

Withdraw: MENU

USING THE PLAYER AS A USB DRIVE

This unit is supported as a standard USB device by Windows 2k and later without any driver installations, as well as MAC OS 10.3, and Linux Redhat 8.0

1. Specifications

Shape size	
Weight	
Screen	TFT,CSTN screen
Connections	High-speed USB2.0 (FS)Flash disk!
Memory	Flash memory:512mb to 1G

Power supply	Up to 10 hours	
Recording	Sample rate	8KHz
	Record sound a format	WAV(32 K bps),ACT(8 K bps)
	Record sound time	35Hours(ACT, 128 M Flash)
MP3,WMA,OGG,WMV,ASF,WAV	headphones	(L)10 mWs+(R)10 mWs(32 Ohms)
	The MP3 ratios and rates	8K bps – 320 K bps
	WMA,WMV,ASF,OGG,the MAV ratio and rates	5K bps – 384 K bps
	frequency	up to 20 KHzs

FM radio	Receive frequency scope	76 - 96 MHzs/87 MHz – 108 MHzs
	Saved stations	Up to 20
	headphones	(L)10 mWs+(R)10 mWs(32 Ohms)
Music format	MP1,MP2,MP3,WMA,WMV,ASF,WAV	
Use temperature	-5 to 40 degrees Celsius	
17 national languages	Simplified Chinese character, English, French, German...etc.17 national languages	
The operating system support	Windows98/SE/ME/2 Ks/XP, Mac OS 10.3 ,Linux 2.4.2	

Note: Specifications can change without notice.

Using the software that came with the player

AMV movie converter

1. Summary

This converts movie files into AMV format which can be viewed on your unit files and include:

1) AVI format

2) Windows Media format (.asf, .wmv)

3) MPEG1 format (.mpg, mpeg)

4) Realplay format (.rm)

5) Quicktime format (.mov)

6) MPEG2 format (.vob)

Compatible with: Windows98SE, Windows Me, Windows2000, Windows XP. Requires Windows Media player 9.0 or later and DirectX 9.0 or later

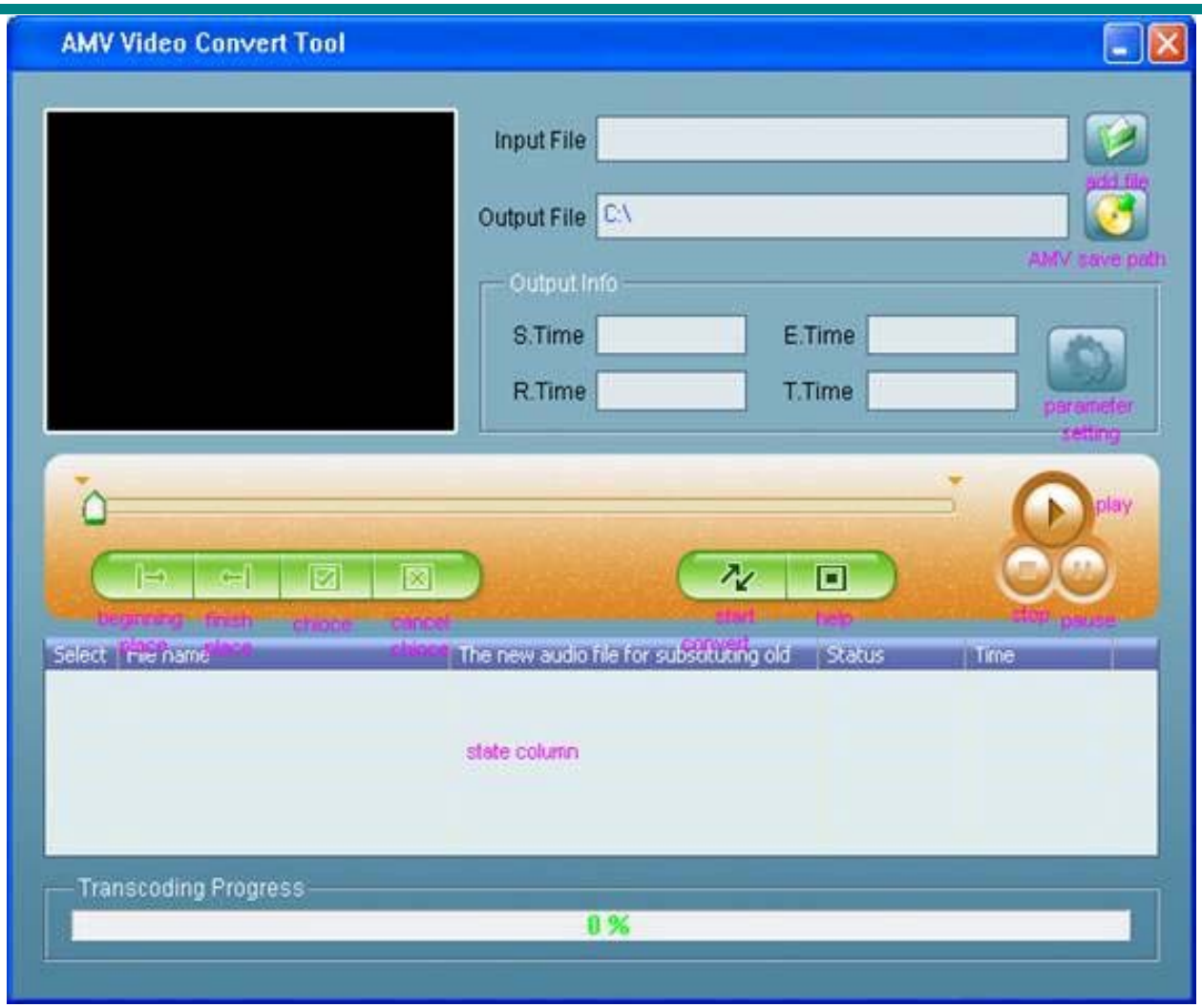
2. Install software

Insert the TRIO Driver CD into the CDROM. Open the “Driver Folder”. Open the folder “The AMV movie conversion tool”. Open the folder “MP3set3_68”. Run the setup.exe file found, and follow onscreen instructions.

NOTE- Installing this will also install the AMV movie player, the MP3 disk tool, and the sound converter tool.

3. Using the software

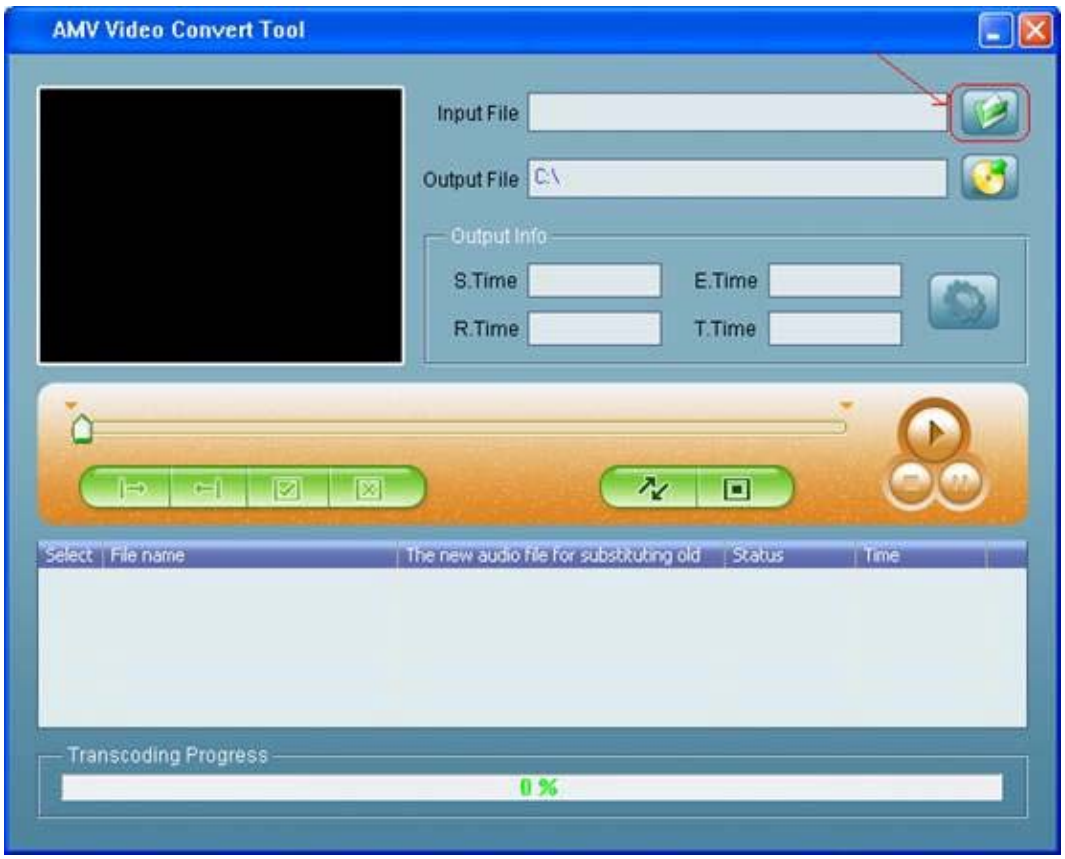
1) Button Explanation



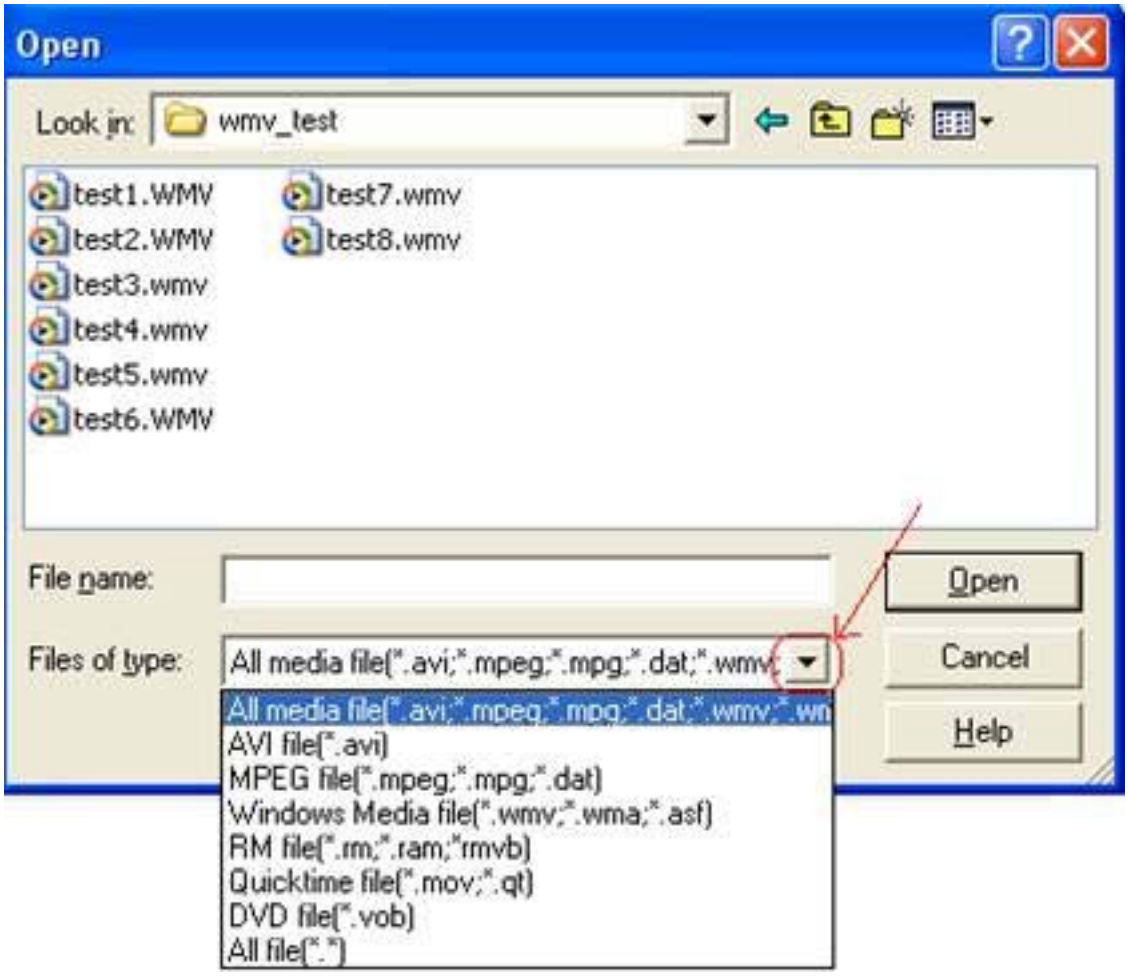
While using this tool, you can hover your mouse over a button for 2 seconds to display the button name

2) Choosing the file to convert

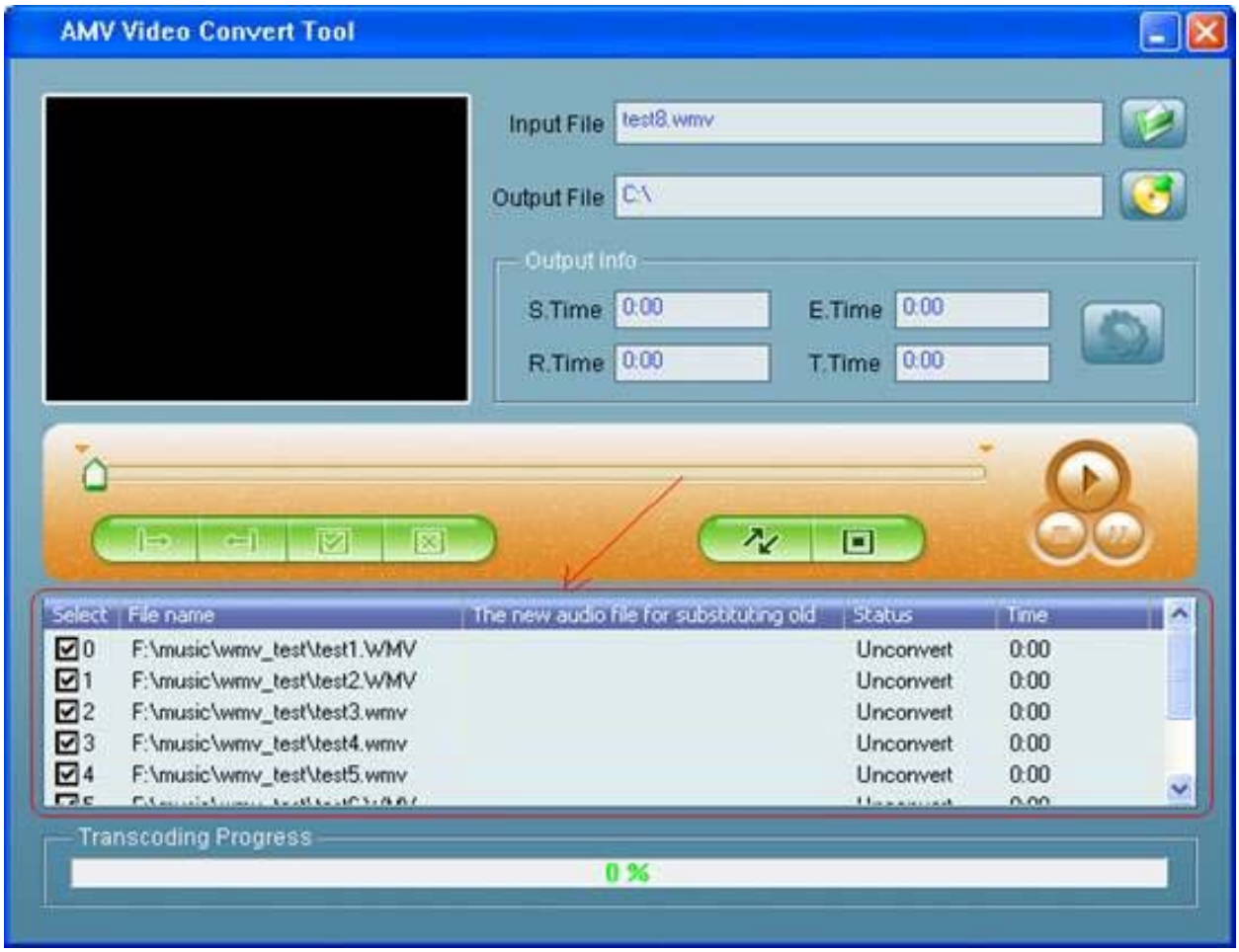
After starting the software, click the "add file" button on the “input file” line and direct the program to the file you wish to convert, as seen below:



You can change the type of file you are looking for by clicking on the “file type” dropdown menu button, as seen below:

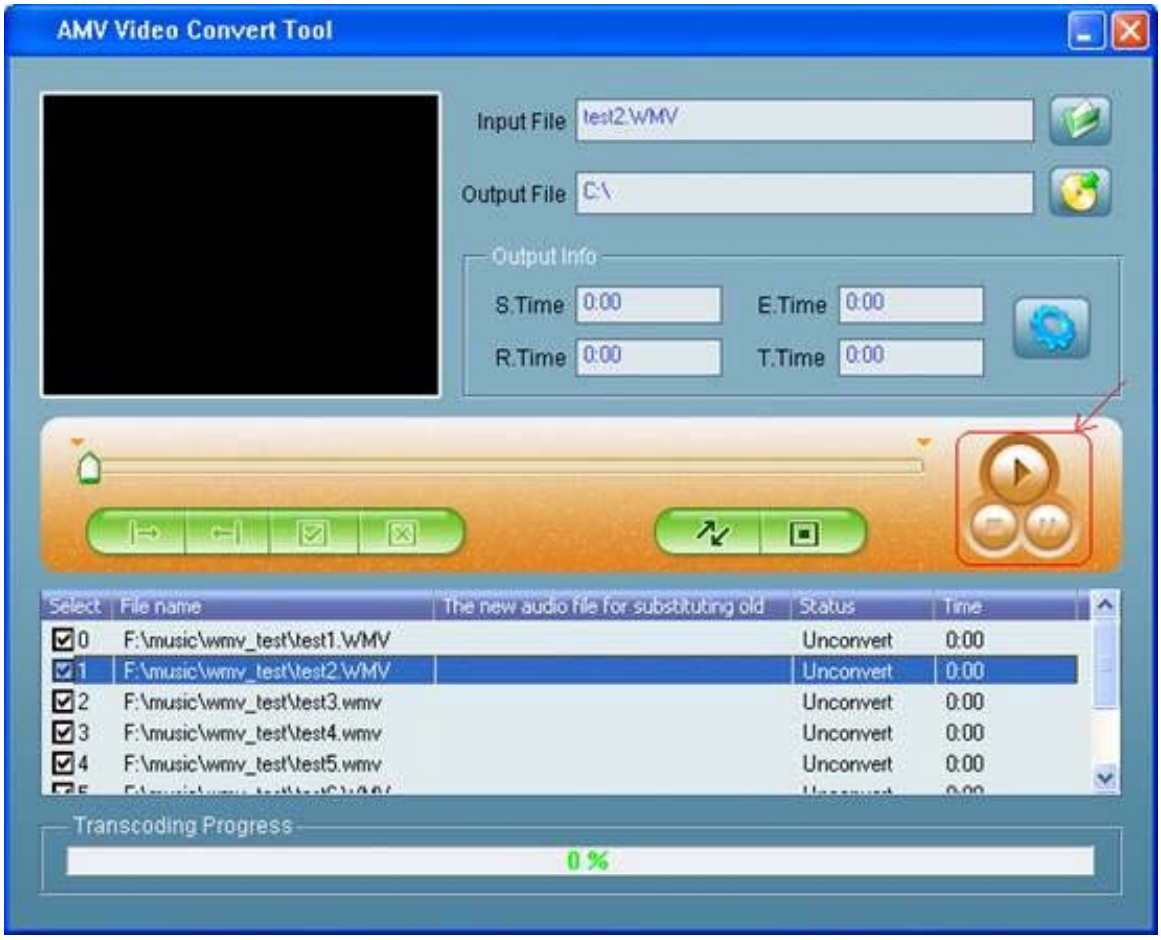


After adding the file, it will display in the “Input file” field as well as the state column below. To add more files to convert, repeat the above steps.

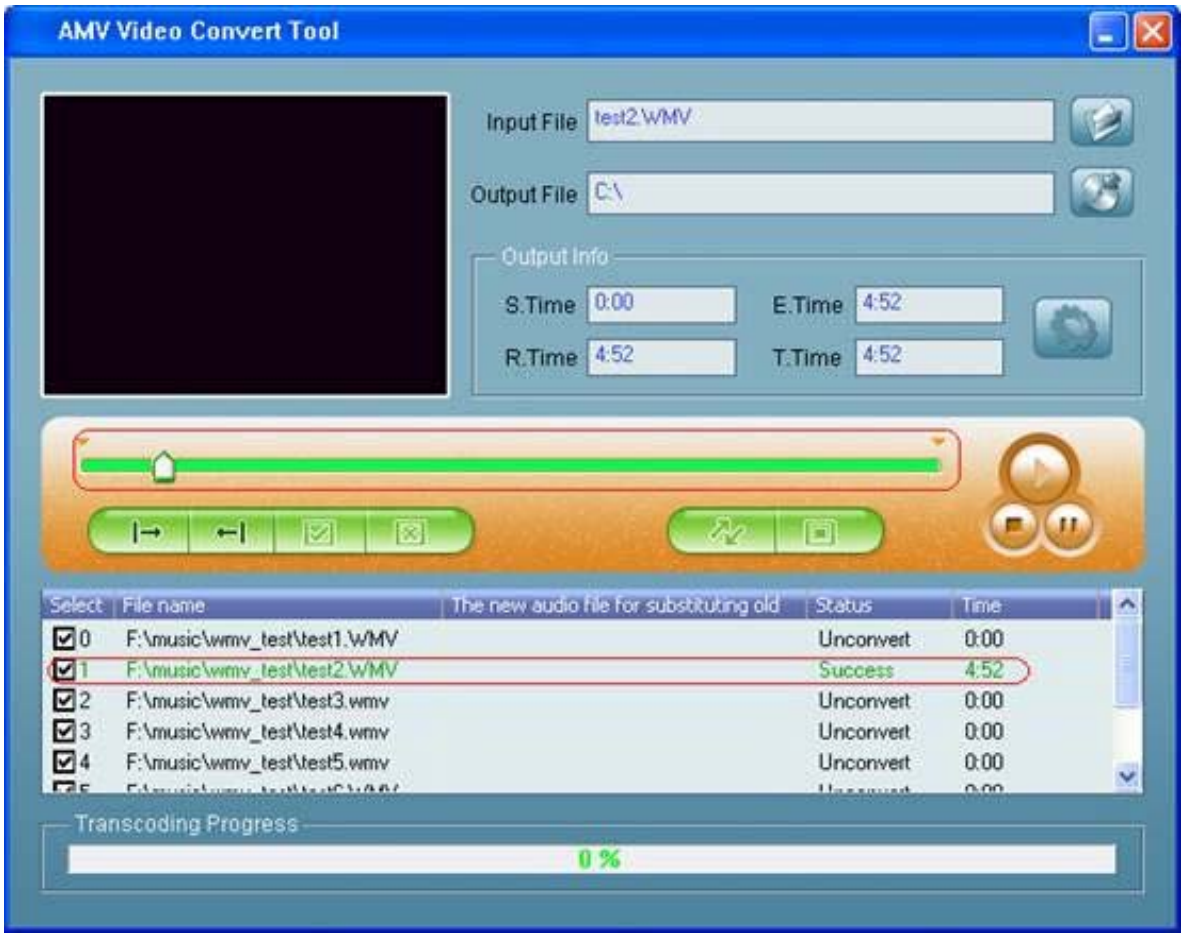


3.3 Play the media file

This tool has the ability to play video files you have added to the state column. Once you have a video file added to the state column, click on it to highlight and press the play button to play the file:



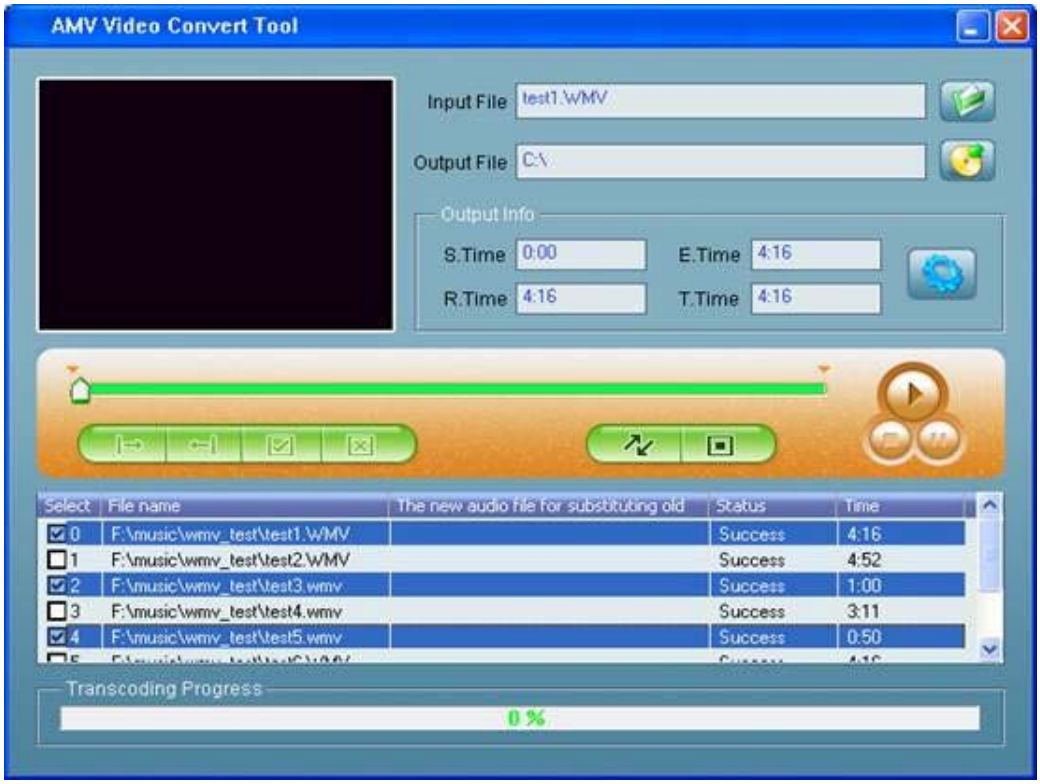
After the file starts playing, the progress bar (below the viewer) will begin to move, and the status in the state column will change from" uconvert" into "success"; time will change from"0:00" to the actual file length. The Pause and Stop buttons are both active at this time and perform their common functions.



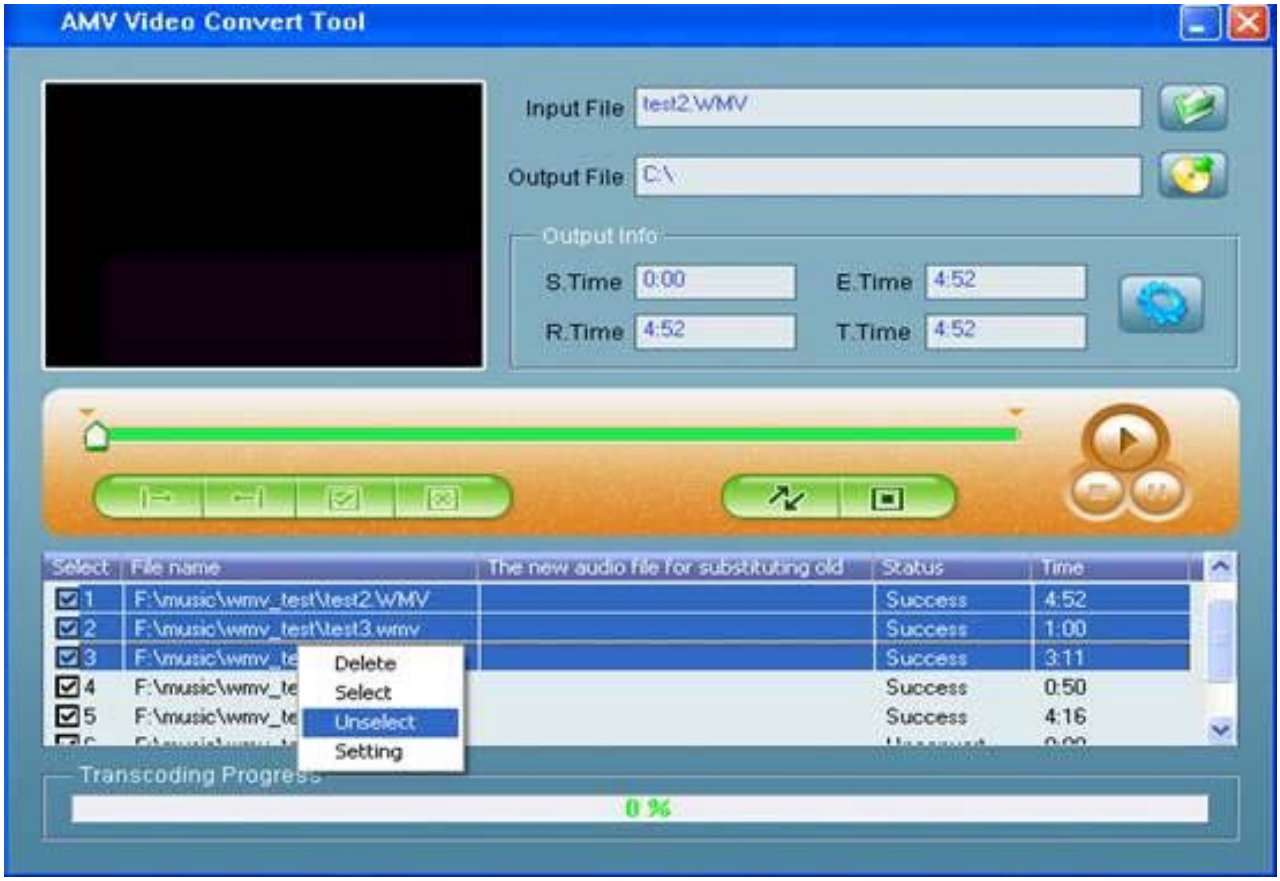
4. Converting files

4.1 Choose the file(s) that you wish to convert

In the state column, on the left side of each media file is a select box and a file number. The select box is used to choose several media files to convert. If the select box is not checked, the file will not be converted.

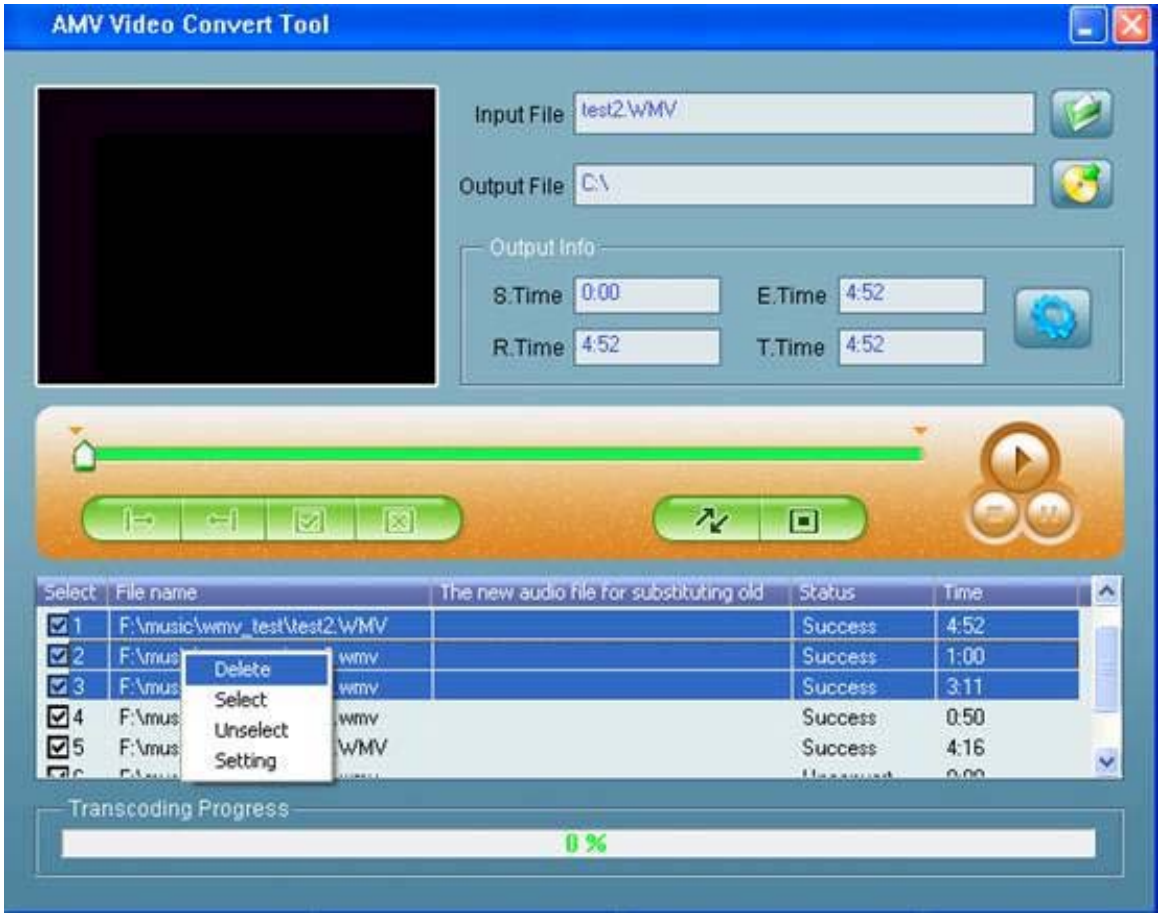


To cancel the conversion (either before or during the process) you can either uncheck the select box, or right click on the file and select “Unselect”



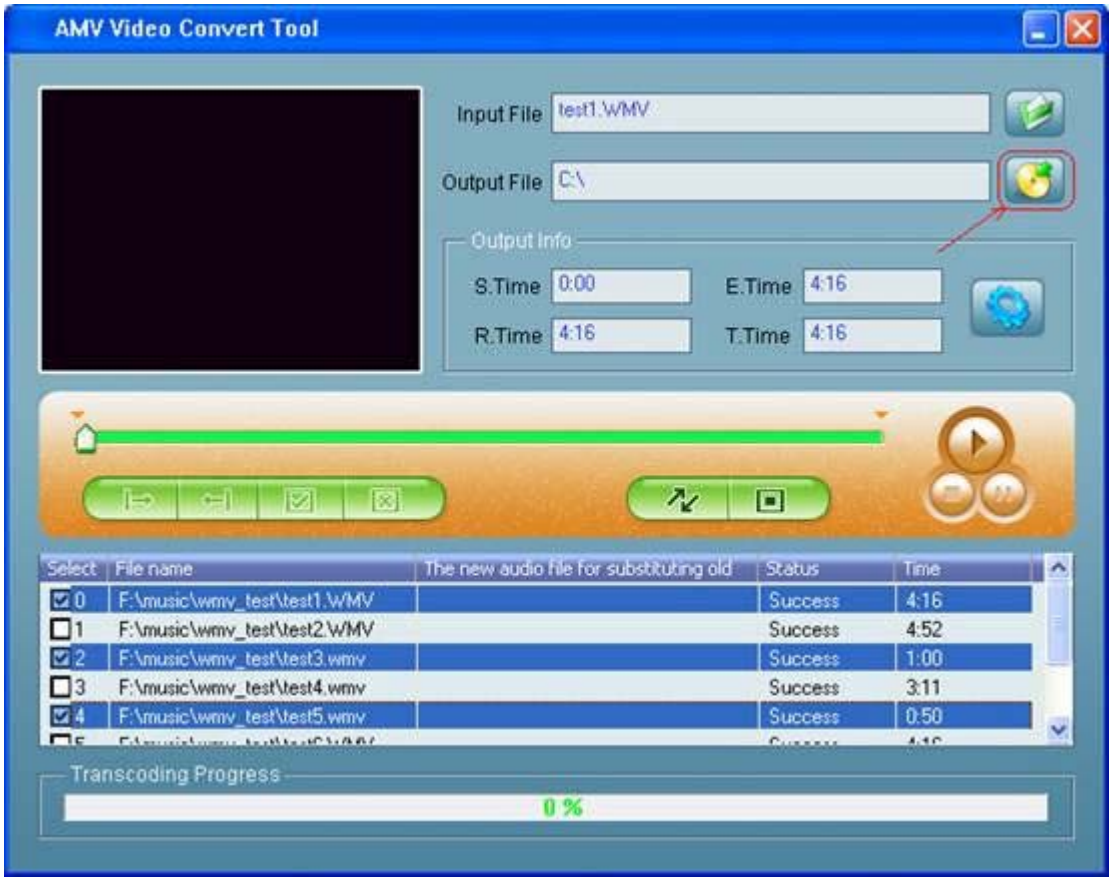
4.1.2 Removing files from the list

If you wish to remove one of the files already added to the list, right click on the desired file and select “Delete”. It will be removed from the list.



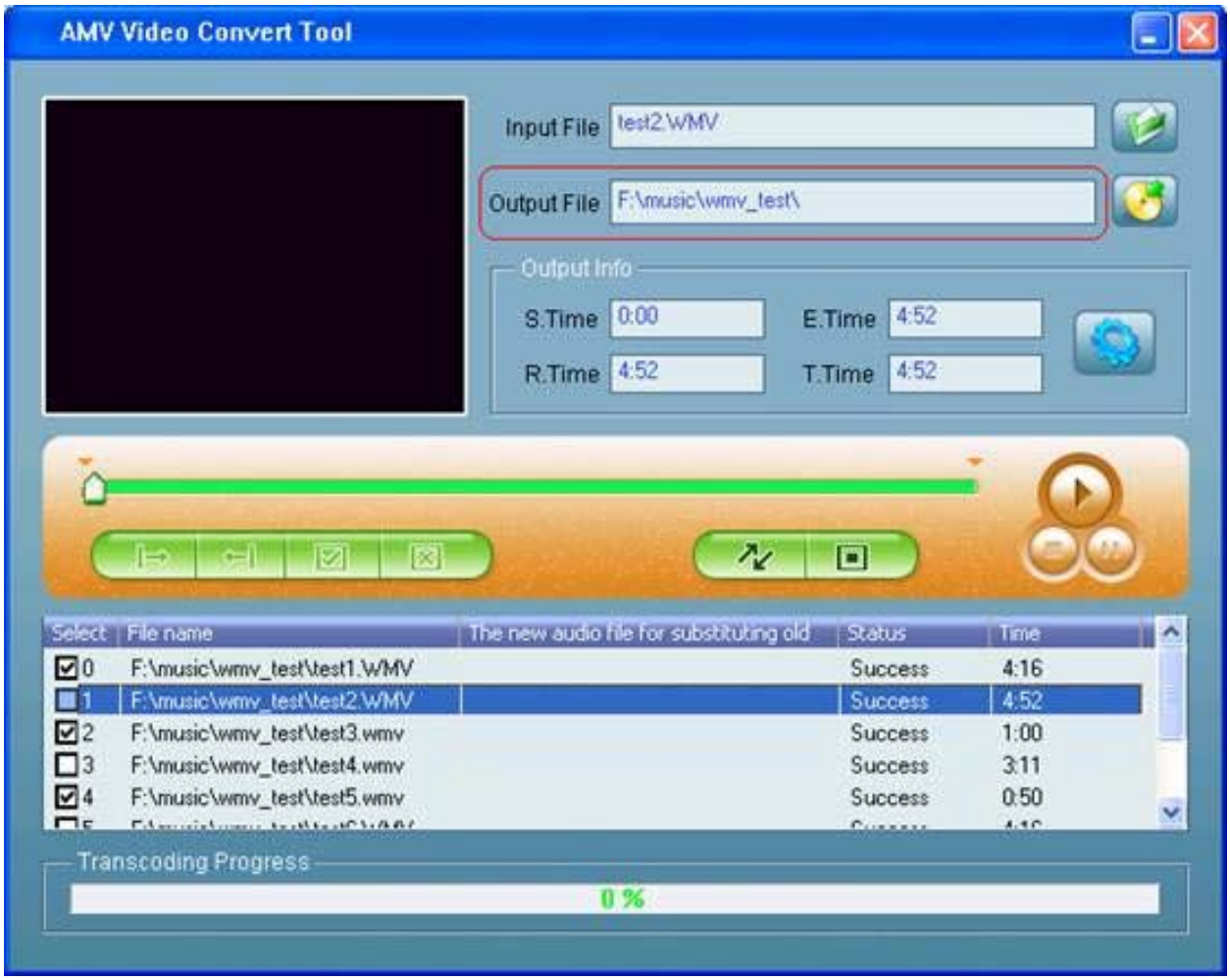
4.2 Specify the save path of the AMV file

The default save path for this tool is C:\. Before converting files, click the "AMV Path" button on the right hand side of the Output File line. Point the program to where you wish the files to be saved to:



Once you have chosen the path you wish to save please click "ok":

After you have chosen the save path, it will display in the “Output File” line:



4.3 Property Settings

This tool can set video properties, such as how much of a video clip to convert, video size, etc.

a. Choose one or more media files, then click "setting button" in the “output Info” section

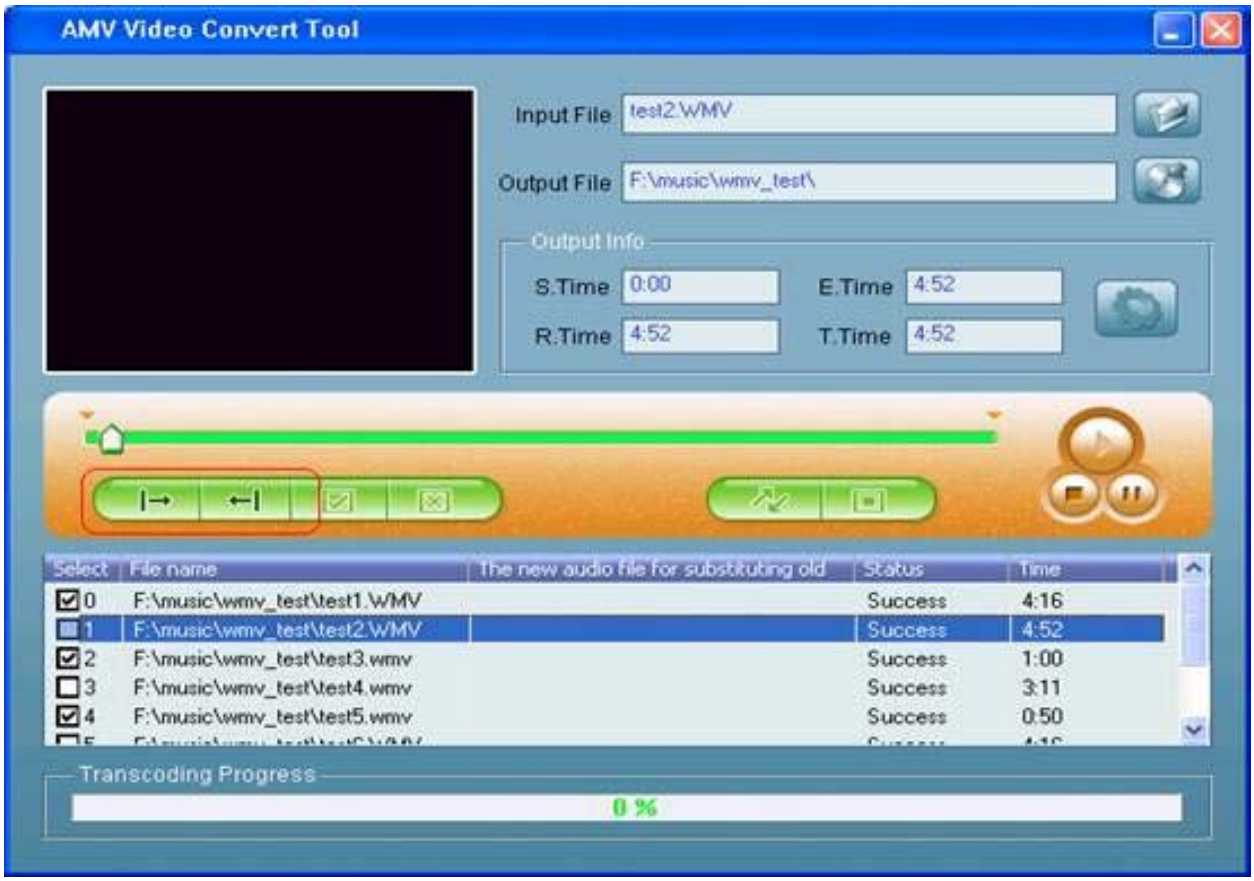
b. Choose one or more media files, then right click, choose "setting" the picture below is of the default settings

4.3.1 Cut Source Video Snippet

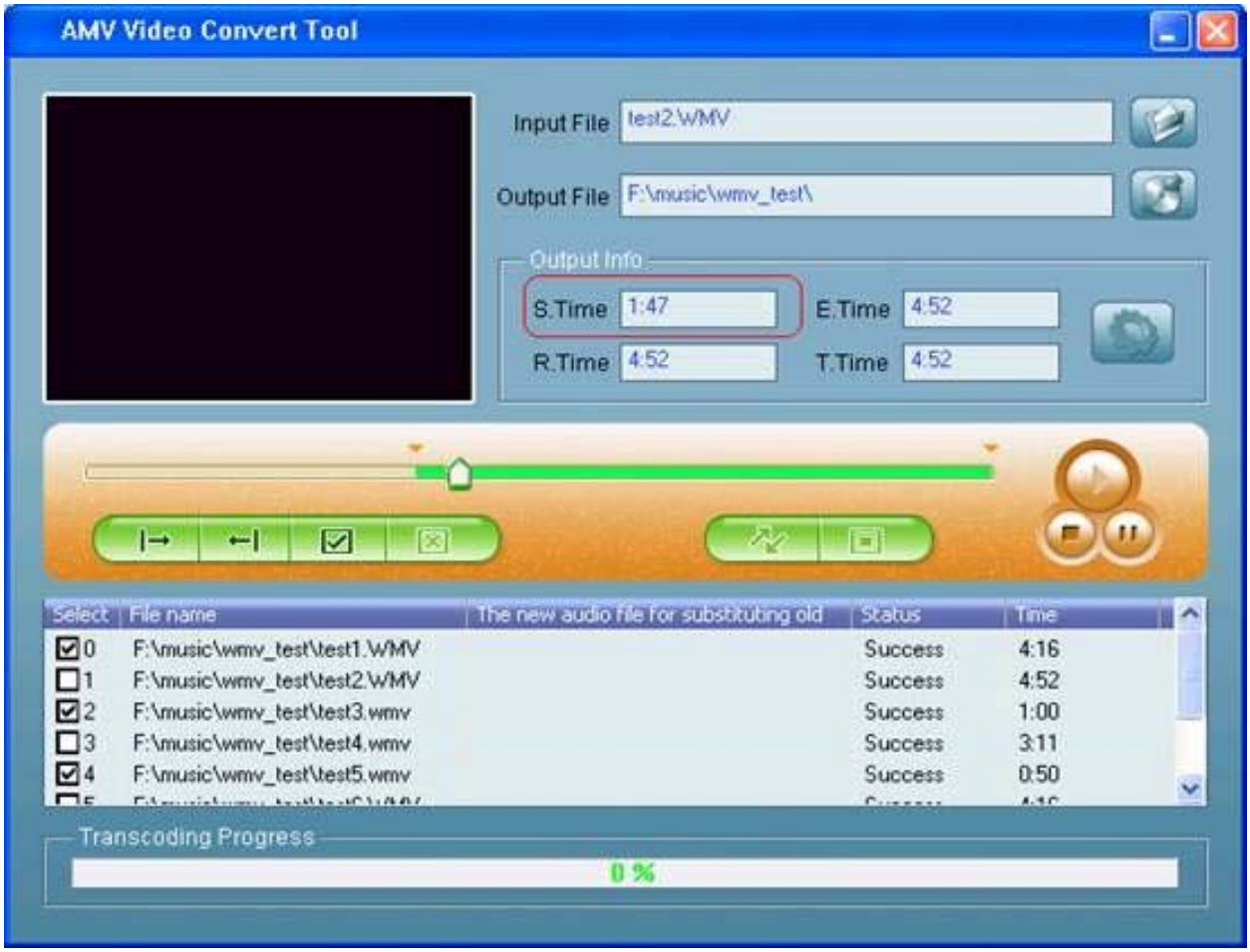
If you only need to convert a clip of a media file, this is where you set the start and stop point.

Above shows the user selecting a clip from 1 min 10 seconds to 3 min 20 seconds of the video

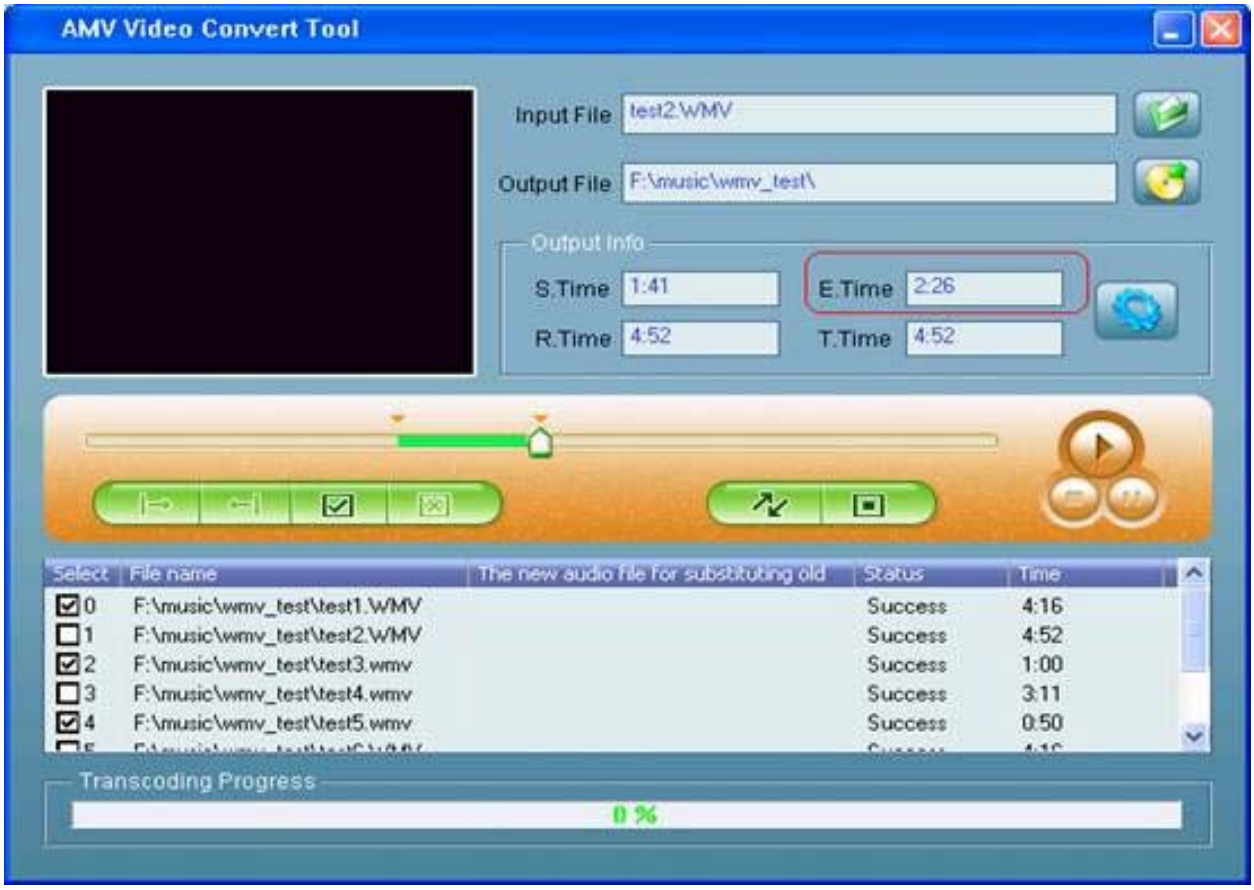
4.3.1.2 While the file is playing the buttons below allows you to set a start and end point of video playback, as well as letting you repeat from those points:



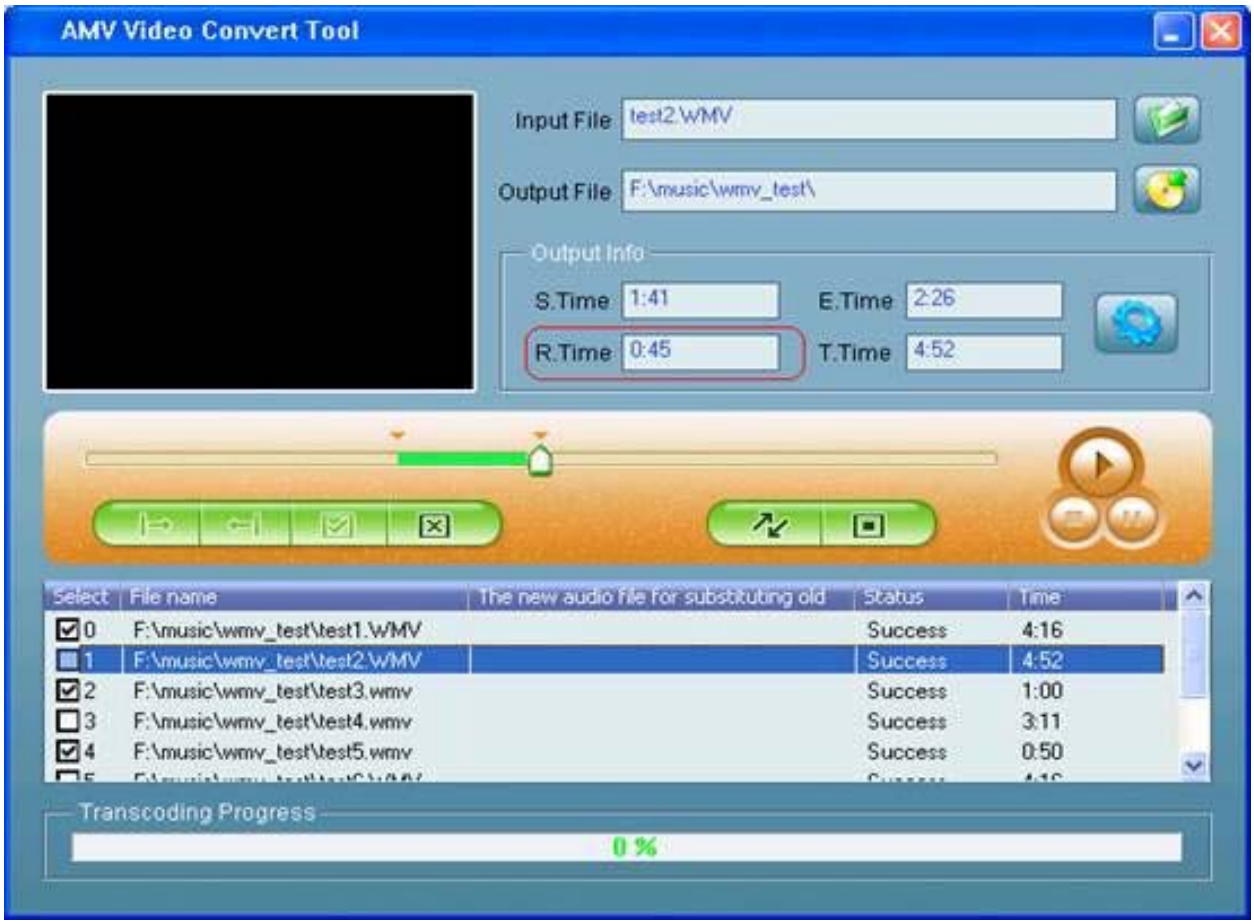
When you click the "start position" button, the play bar will show a start point arrow, as shown below:



When you click the "end position" button, the play bar will show an end time point as shown below:



After the two points are selected, click "select" button (looks like a checkmark), this will convert only the selected clip.



Shown above, only from 1 min 41 sec to 2 min 26 sec will be converted, for a total 45 sec time.

If you want to cancel the clip, press the "cancel" button (looks like an X). At this time, the play bar will reset and the whole file will be reselected for conversion.

4.3.2 Choose video height and width of AMV file

4.3.3 AMV Frames per second

There are three options for frames per second –high. Middle. and low. The higher frame rate, the larger the file will be and the higher quality the video. The player's default is middle:

4.3.4 Image quality

The image quality has three settings- low, middle, and high. The player's default is high.

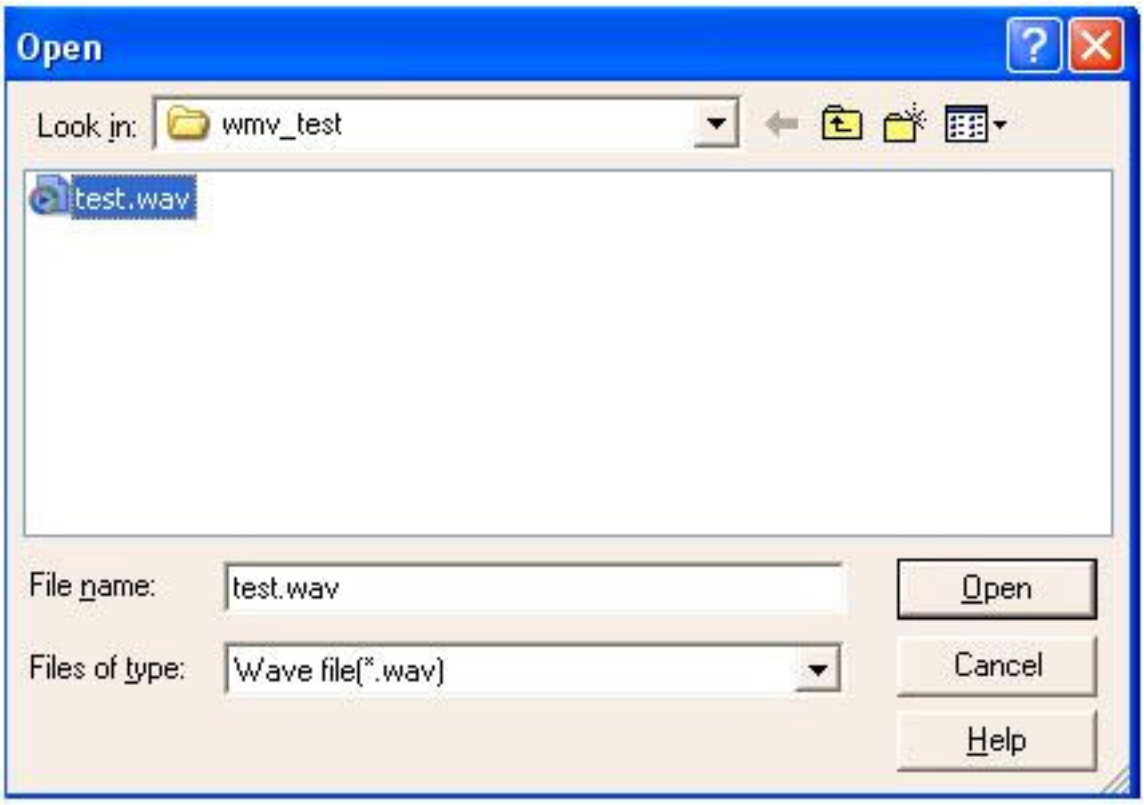
4. 3.5 Image focus

The image focus has mode0, mode1, mode2, and mode3. The tool default is mode2 and adjusts the image focus.

4. 3.6 Replace the old audio file with the new audio file

Allows you to replace the file's current audio with a .WAV file of your choice, while the file still uses the original video file. You can click the "Substitute new audio for old audio" button to open a dialog box:

Click the icon to choose the new audio file path. After you have selected the audio file, click on “open” as shown below:



Once you have selected the new audio file, "Substitute new audio for old audio" dialog box will display the new path, click the "OK" button, as shown below:

After choosing your audio file, it will display in the audio setting as shown below:

4.3.7 Miscellaneous settings:

4.3.9.1 “overwrite file” replaces the current file with the converted .AMV file.

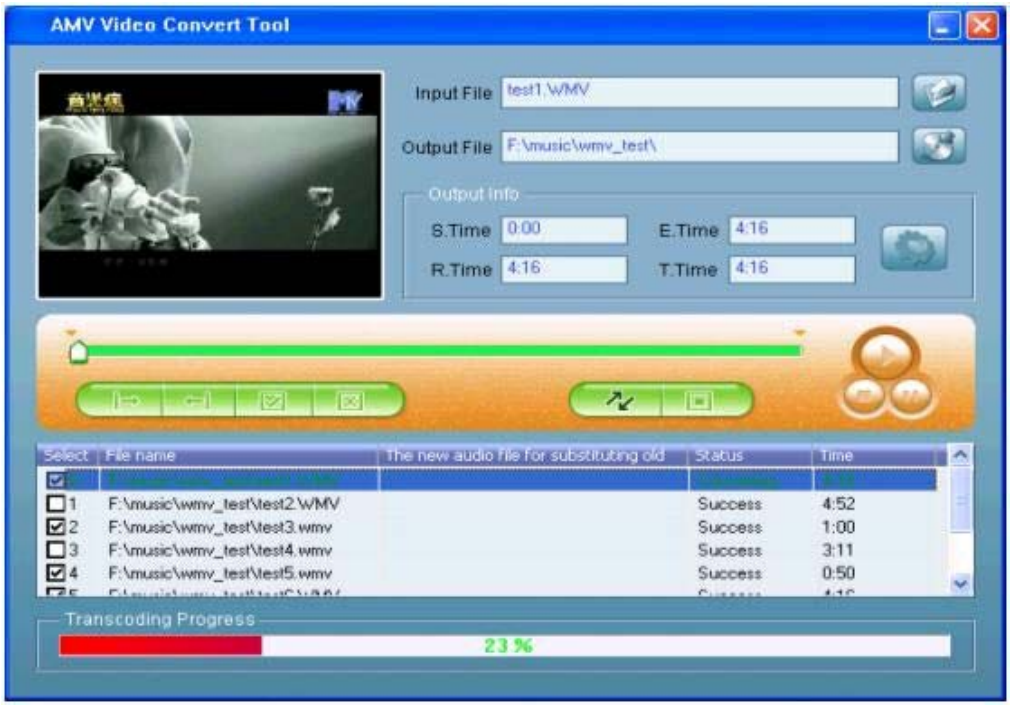
4.3.9.2 “play after converting” plays the .AMV file after it is converted

4.3.9.3 “try other codec” allows you to try to convert the file with a different codec. We recommend the default.

4.4. Convert file

4.4.1 convert

After setting your options, please check one or more files in the state column window and click the “begin” button:



4.4.2 Play

After converting the file, the AMV player will play the file. If the file plays correctly, then it means that the file was converted correctly:

4.4.3 Completely converted

5. Attention proceeding

If you want to convert Realplay, Quicktime, or MPEG2 format files, please first install the corresponding Codec.

When you convert Realplay, Quicktime, or MPEG2 (DVD) format files, if your Windows Media player cannot play this file, then you need to install corresponding compatible codec for Windows Media player, until the Media Player will play this

MP3 Player disk tool quick start

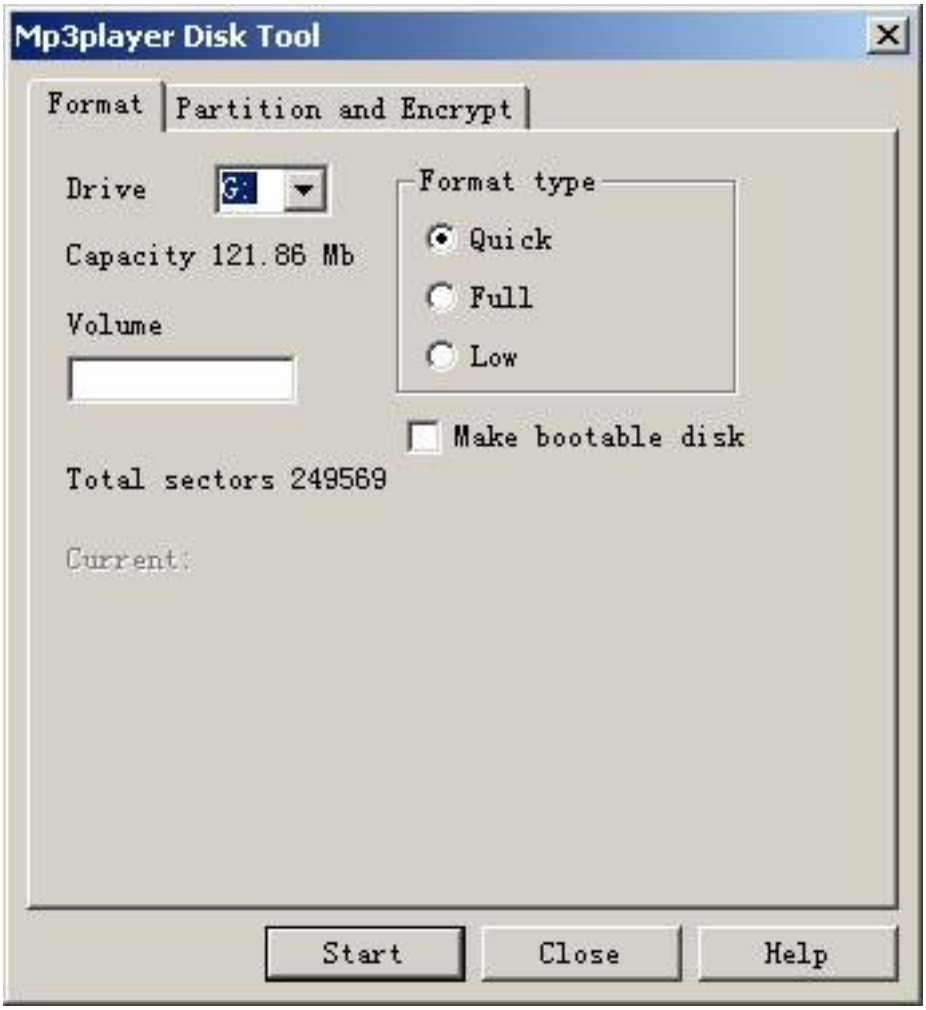
Summary

The program is used to format the disk, repartition the disk, or set (or modify) a password for an encrypted partition, when MP3 Player is used as a removable disk. Before executing the program, please confirm that only one MP3 Player is connected to the PC. When the program runs, it will show a dialog box which has two property pages, "Format" and "Partition and encrypt".

System platform: Windows98, Windows ME, Windows 2000, Windows XP.

Format

The following is the interface of the program, after running.



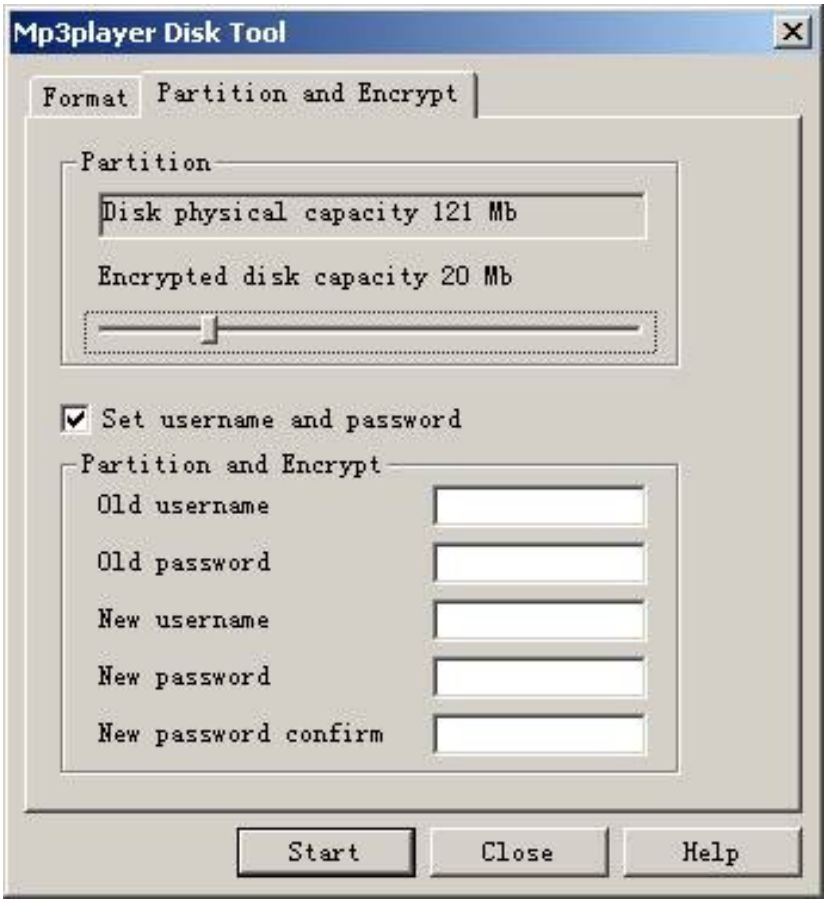
"Drive" is the list of removable disks' assigned letter.

"Format type" has 3 types. They are "quick format", "Full format", and "Low format".

If the check button "Make bootable disk" has been checked, the current logical disk will be formatted to a USB bootable disk (if the disk is an encrypted partition, bootable function will be ineffective).

Partition and encrypt

The following is the interface:



"Disk physical capacity" is the actual capacity of the removable disk. "Encrypted disk capacity" is the capacity of the encrypted partition. If encrypted disk capacity is zero, there will be only the normal partition. By adjusting the capacity of encrypted disk, it will be repartitioned. The adjusted capacity is the capacity of encrypted disk.

If the encrypted disk has been assigned a password, click the "Set username and password" button. At this time, if you don't repartition, you can modify the password through inputting the old use name and password and new user name and password. If old user name and password are correct, new user name and password which you input will be set. If you repartition it (adjust the capacity of the encrypted disk), edit boxes "Old username" and "Old password" will be disabled. When you input new username and password, its will be set after the repartition step is completed.

Notice

The min capacity of normal disk is 17 Mb, so the max capacity of encrypted disk is less than the total disk capacity.

The removable disk maybe be removed after the format or repartition is executed. If your system is Windows ME or Windows 2000, a dialog box will pop up telling you the removable device has been removed. Don't worry. Just close it. The following is the dialog popped by system (Windows ME).

Unsafe Removal of Device
You have unplugged or ejected a device without stopping it which can cause your computer to crash and lose valuable data.
Please use the hotplug icon in the status bar to safely remove devices before unplugging them.
OK

Sound conversion tool

This tool is designed for format conversion from rcd/rec/act to WAV, with the function of file playback in WAV, and MP3 formats.
The definition of buttons on the interface is as follows:

[Open]Open a file.
If the file is in WAV or MP3 format, it can be played at once.
If the file is in rcd/rec/act format, it should be converted first and then played.

[Convert]Start converting.
This button is not available unless the file is in rcd/rec/act format.

[Help]Open the help window.

[Exit]Exit this tool